

ARG66585 anti-IGFBP3 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes IGFBP3
Tested Reactivity	Hu, Ms
Predict Reactivity	Bov, Pig
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	IGFBP3
Species	Human
Immunogen	KLH-conjugated synthetic peptide within the center region of Human IGFBP3.
Conjugation	Un-conjugated
Alternate Names	IBP-3; IBP3; Insulin-like growth factor-binding protein 3; IGFBP-3; IGF-binding protein 3; BP-53

Application Instructions

Application table	Application	Dilution
	IHC-P	1:100 - 1:200
	WB	1:500 - 1:1000
Application Note	IHC-P: Antigen Retrieval: Heat mediation was performed in Sodium citrate buffer (pH 6.0). * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	42 kDa	

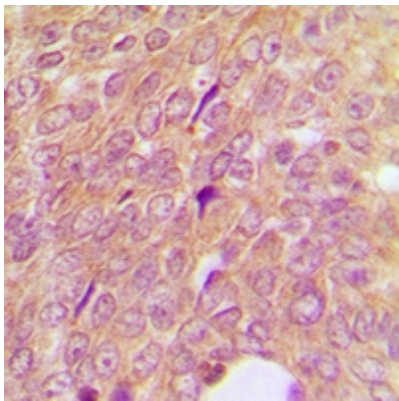
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.42% Potassium phosphate (pH 7.3), 0.87% NaCl, 0.01% Sodium azide and 30% Glycerol.
Preservative	0.01% Sodium azide
Stabilizer	30% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

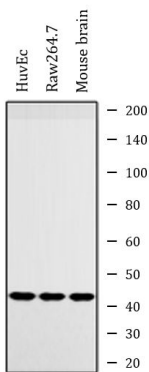
Gene Symbol	IGFBP3
Gene Full Name	insulin-like growth factor binding protein 3
Background	This gene is a member of the insulin-like growth factor binding protein (IGFBP) family and encodes a protein with an IGFBP domain and a thyroglobulin type-I domain. The protein forms a ternary complex with insulin-like growth factor acid-labile subunit (IGFALS) and either insulin-like growth factor (IGF) I or II. In this form, it circulates in the plasma, prolonging the half-life of IGFs and altering their interaction with cell surface receptors. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq, Jul 2008]
Function	IGF-binding proteins prolong the half-life of the IGFs and have been shown to either inhibit or stimulate the growth promoting effects of the IGFs on cell culture. They alter the interaction of IGFs with their cell surface receptors. Also exhibits IGF-independent antiproliferative and apoptotic effects mediated by its receptor TMEM219/IGFBP-3R. [UniProt]
Calculated Mw	32 kDa
PTM	Phosphorylated by FAM20C in the extracellular medium. [UniProt]
Cellular Localization	Secreted. [UniProt]

Images



ARG66585 anti-IGFBP3 antibody IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded Human breast cancer tissue. Antigen Retrieval: Heat mediation was performed in Sodium citrate buffer (pH 6.0). The section was stained with ARG66585 anti-IGFBP3 antibody at room temperature. The section was counterstained with haematoxylin and mounted with DPX.



ARG66585 anti-IGFBP3 antibody WB image

Western blot: HuvEc, Raw264.7 and Mouse brain lysates stained with ARG66585 anti-IGFBP3 antibody.